



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111059

Mode: Highway

Status: Submitted

NC-48

From/Cross Street: Red Oak / Battleboro Road

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 4

Project Category: Regional Impact

Length: 1.75

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$17,409,000

Description:

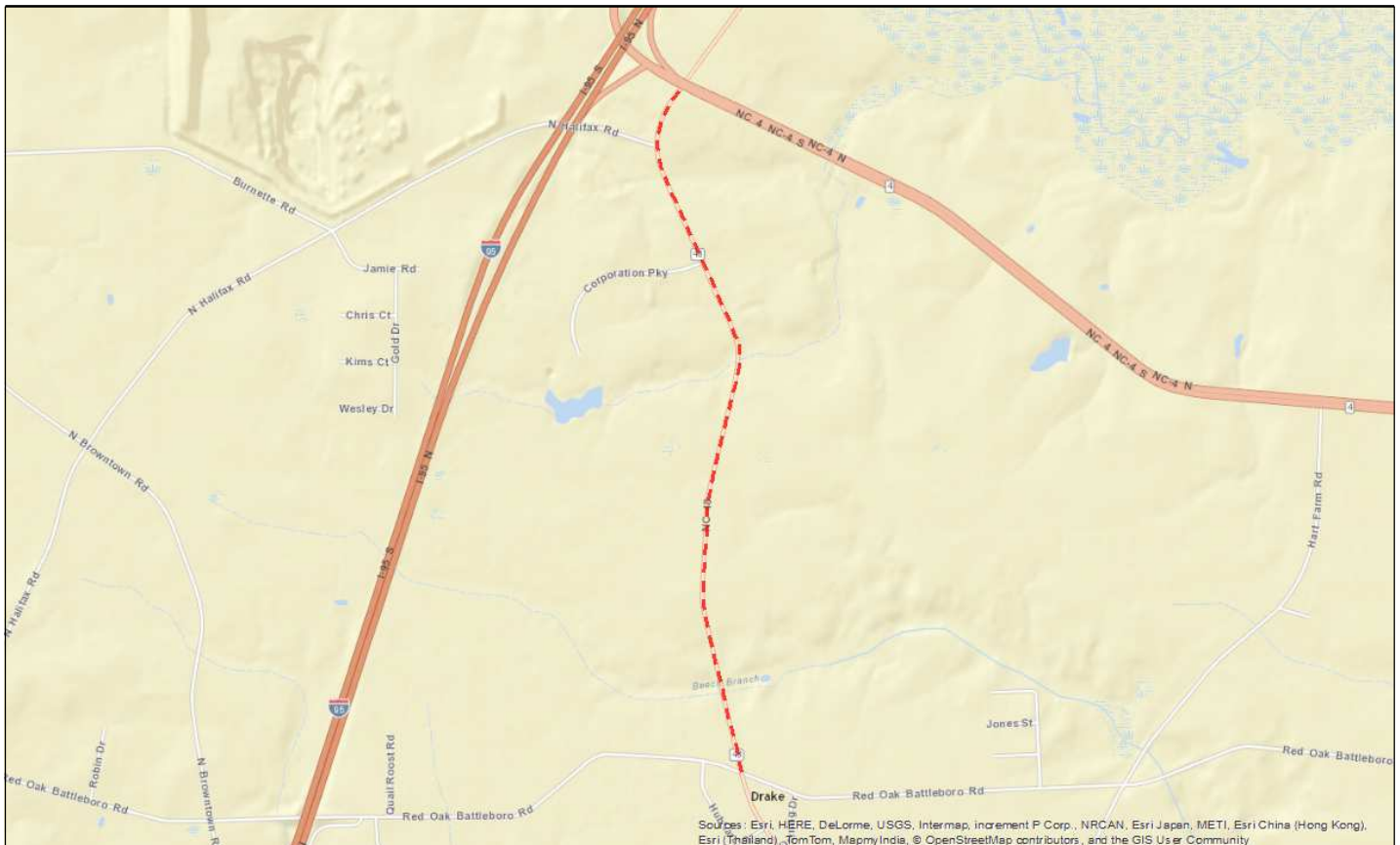
Widen from 2-Lanes to 4-Lane Divided.

Division(s): Division 4

County(s): NASH

MPOS(s)/RPO(s): Rocky Mount Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 46.76

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 16.18	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (15%) 62.18		
Lane Width (10%) 50.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (20%) 0.02		
Totals: Weight: 70% Weighted Score: 16.76		

Division Needs Total Score: 12.84

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 16.18	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 62.18		
Lane Width (10%) 50.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (10%) 0.02		
Totals: Weight: 50% Weighted Score: 12.84		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	1.75
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3855.78
Capacity:	15800
Volume/Capacity Ratio:	0.24
% Autos:	96%
% Trucks:	4%
Truck Volume:	137.39
Crash Density:	80.66
Crash Severity:	44.31
Critical Crash Rate:	61.59
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	89
Actual Congested Speed:	42
Travel Time Index:	1.31

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	1.75
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	15908.59
Travel Time Savings for 30 Years (Autos):	15341.74
Travel Time Savings for 30 Years (Trucks):	566.85
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 4

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 4	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Rocky Mount Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$11,058,000	TIP Unit
Right-of-Way Cost:	\$5,671,000	Cost Estimation Tool
Utilities Cost:	\$680,000	Cost Estimation Tool
Total Project Cost:	\$17,409,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$17,409,000	